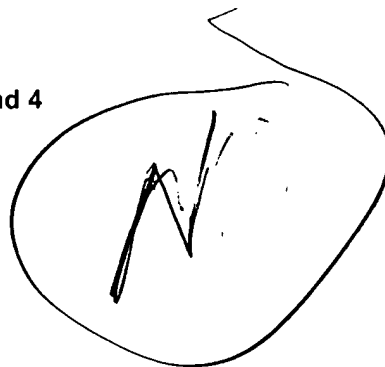


4 29 ..INDEX /Aun  
 HUFFMAN, A R  
 5 0 1 AND 4  
 Search statement 6

Query/Command : 2 and 4



\*\* SS 6: Results 11

Search statement 7

Query/Command : prt 1-11 fu

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AN - 801708  
 TI - METHOD AND PROCESS FOR PREDICTION OF SUBSURFACE FLUID  
 AND ROCK PRESSURES IN THE EARTH  
 AU - HUFFMAN, A R; ONYIA, E C; LAHANN, R W; BELL, D W  
 OS - CONOCO INC  
 SO - WORLD 02/73,240A1, P 2002.09.19, F 2002.02.26, PR US 2001.03.13 (APPL  
 805,422) (G01V-001/28) (83 PP; 51 CLAIMS)  
 LA - ENGLISH; (ENG)  
 DT - (P) PATENT  
 PN - WO200273240 A1  
 PD - 2002-09-19  
 AP - 20020226  
 PR - US 805,422 20010313 [2001US-0805422]  
 IC - G01V-001/28  
 IT - PRESSURE PREDICTION\*; APPROXIMATION\*; COMPACTION  
 (GEOLOGY)\*; DIAGENESIS\*; FORCE\*; GEOLOGIC STRUCTURE\*;  
 MATHEMATICAL ANALYSIS\*; MATHEMATICS\*; OVERPRESSURED  
 RESERVOIR\*; PORE PRESSURE\*; POST DEPOSITIONAL PROCESS\*;  
 PRESSURE\*; RESERVOIR\*; ROCK STRESS\*; SEISMIC VELOCITY\*;  
 STRESS\*; UNDERCOMPACTED\*; VELOCITY\*; WAVE VELOCITY\*;  
 ANALYTICAL METHOD; BASIN STUDY; BUSINESS OPERATION;  
 CALCULATING; CALIBRATION; CHART; COMPRESSIONAL WAVE;  
 COMPRESSIONAL WAVE VELOCIT; CONOCO INC; CONVERTED  
 WAVE; DATA; DENSITY; DRILLING (WELL); ELASTIC WAVE; ELASTIC  
 WAVE LOGGING; EVALUATION; EXPLORATION; FAULT (GEOLOGY);  
 FAULT PLANE; FLOW CHART; FLUID FLOW; GAMMA RAY LOGGING;  
 GEOLOGIC HAZARD; GEOLOGIC MODEL; GEOPHYSICAL DATA;  
 GEOPHYSICAL EXPLORATION; GEOPHYSICAL INTERPRETATION;  
 GRADIENT; HYSTERESIS; IMAGING; INTEGRATED INTERPRETATION;

INTERPRETATION; LOAD (FORCE); MEASURING; MODEL; NATURAL EARTH PHENOMENON; NUCLEAR LOGGING; NUMERICAL INVERSION; OVERBURDEN PRESSURE; PETROPHYSICS; PHYSICAL PROPERTY; POROSITY; POROSITY (ROCK); POTENTIAL FIELD; PRESSURE GRADIENT; PROFILING; PROSPECT EVALUATION; RESEARCH; RESERVOIR FLUID FLOW; ROCK; ROCK DENSITY; SEDIMENTARY ROCK; SEISMIC ATTRIBUTE ANALYSIS; SEISMIC DATA; SEISMIC EXPLORATION; SEISMIC INTERPRETATION; SEISMIC REFLECTION METHOD; SEISMIC VELOCITY COMPUTATN; SEISMIC WAVE ANALYSIS; SHALE; SHEAR WAVE; SHEAR WAVE VELOCITY; SIMULATION; SONIC LOGGING; STANDARDIZATION; STUDY; SUBSURFACE PRESSURE; TESTING; TOMOGRAPHY; VELOCITY LOGGING; VELOCITY REVERSAL; VERTICAL SEISMIC PROFILING; WAVE; WELL LOGGING; WELL LOGGING DATA

**MH** - PRESSURE PREDICTION\*

**CC** - GEOPHYSICS

**AB** - A method of determination of fluid pressures in a subsurface region of the earth uses seismic **velocities** and calibrations relating the seismic **velocities** to the effective stress on the subsurface sediments. The seismic **velocities** may be keyed to defined seismic horizons and may be obtained from many methods, including **velocity** spectra, post-stack inversion, pre-stack inversion, VSP, or tomography. Overburden stresses may be obtained from density logs, relations between density and **velocity**, or from inversion of potential fields data. The seismic data may be P-P, P-S, or S-S data. The calibrations may be predetermined or may be derived from well information including well logs and well pressure measurements. The calibrations may also include the effect of unloading. The determined pressures may be used in the analysis of fluid flow in reservoirs, basin and prospect modeling, and in fault integrity analysis.

**PY** - 2002

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**AN** - 801707

**TI** - METHOD AND PROCESS FOR PREDICTION OF SUBSURFACE FLUID AND ROCK PRESSURES IN THE EARTH

**AU** - ONYIA, E C; BELL, D W; HUFFMAN, A R; LAHANN, R W

**OS** - CONOCO INC

**SO** - US 6,473,696B1, C 2002.10.29, F 2001.03.13, PR US 1999.11.04 (APPL 443,446) (G01V-001/28) (40 PP; 51 CLAIMS)

**LA** - ENGLISH; (ENG)

**DT** - (P) PATENT

**PN** - US6473696 B1

**PD** - 2002-10-29

**AP** - 20010313

**PR** - US 443,446 19991104 [1999US-0443446]

**IC** - G01V-001/28